

**P2 E-News, Volume 2, Number 1**  
**January 2007**

**Welcome to P2 E-News!**

Happy New Year! In this issue of **P2 E-News**, we include information on a European Union REACH seminar, chemicals in products, the addition of portable DVD players as electronic hazardous waste, free training opportunities, and more.

As always, please feel free to tell your friends and associates about **P2 E-News**! Anyone interested in receiving **P2 E-News** is welcome to subscribe using the DTSC Listserv webpage at <http://www.calepa.ca.gov/Listservs/dtsc/> (scroll down to DTSC **P2 E-News** and click on Subscribe).

Got ideas for future issues? Send your comments or suggestions on how we can better serve you to [P2@dtsc.ca.gov](mailto:P2@dtsc.ca.gov), or call the Pollution Prevention Hotline at (800) 700-5854.

\*\*\*Pollution Prevention (P2) - Changing the way we think and act so we can reduce or eliminate the creation of waste and pollution.\*\*\*

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**European Union REACH Brown Bag Seminar**

January 31, 2007 - Wednesday  
12:00 noon - 1:30 pm  
Cal/EPA Building, Byron Sher Auditorium (2nd floor)  
1001 I Street  
Sacramento, California 95814

DTSC is sponsoring a free, lunchtime brown bag seminar to discuss the scientific and legal issues raised by the European Union's newly adopted Registration, Evaluation and Authorization of Chemicals (REACH) program and ordinances by the Cities of San Francisco and Berkeley related to toxic products. The brown bag seminar will be led by DTSC's Chief Scientist, Dr. Jeffrey Wong, and Chief Legal Counsel, Elizabeth Yelland.

In addition, DTSC has invited Mr. Todd O. Maiden and Dr. David Eastmond to speak about the regulatory framework for the REACH program, which will require manufacturers and importers to gather information on the properties of their substances and register the information in a central database. The REACH program also mandates that a European Chemicals Agency be established to manage the databases needed to implement REACH, to coordinate the evaluation of chemicals of concern, and to create a public database in which consumers and professionals can find hazard information.

Mr. Maiden is a partner in the Reed Smith environmental and energy legal practice group with experience in international environmental issues, including climate change and ISO 14000. He has co-authored several books focused on international environmental issues, and is a frequent speaker on a variety of environmental subjects. Recent speeches included a presentation titled "European R.E.A.C.H. Chemical Program". Dr. Eastmond is with the Department of Cell Biology & Neuroscience at the University of California Riverside (UCR) and is the Chair of the UCR Environmental Toxicology Graduate Program. Dr. Eastmond's laboratory researches the mechanisms involved in the toxicity and carcinogenesis of environmental chemicals. Dr. Eastmond served as a Jefferson Science Fellow in the U.S. State Department's Office of the

European Union and Regional Affairs, European Bureau, doing research on and analysis of REACH.

For questions regarding the brown bag seminar, please contact Stan Lau ([slau1@dtsc.ca.gov](mailto:slau1@dtsc.ca.gov)) at (916) 323-9617 or call the OPPTD main office number at (916) 322-3670. For those unable to attend in person, the seminar will also be available via webcast at <http://www.calepa.ca.gov/Broadcast/>.

For more information on REACH, go to <http://www.dtsc.ca.gov/PollutionPrevention/REACH.cfm>.

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**Chemicals in Products - A Continuing Discussion in P2 E-News**

There is no doubt that modern life has benefited greatly by the use of chemicals in products. Our lives are much easier because of all the conveniences made possible from these products. However, the extensive use of certain chemicals in products, such as bisphenol A (a compound that mimics estrogen and is used to make hard plastic water bottles and other polycarbonate materials) and phthalates (a plastic softener found in many cosmetics) has attracted a great deal of attention and concern in recent months. The concern comes from the fact that these and certain other chemicals are now suspected of causing cancer or other health impacts in humans, and we are being exposed to them daily both from products and from chemicals getting into the environment from wastes.

But California state and local governments are stepping up and taking action to address concerns and help guide changes in the use of chemicals in products. For example, the City of San Francisco is developing a "toxic toy" ordinance intended to limit the use of bisphenol A and phthalates in toys. This action was initiated in response to studies indicating health impacts on hormonal systems and brain function from these chemicals. In addition, the California Legislature signed into law Assembly Bill 1681 that, among other things, bans the manufacture and sale in California of children's jewelry that contains lead above a certain level.

The use of chemicals in products and processes is being addressed in other areas of the country as well. On October 17, 2006, Governor Jennifer Granholm of Michigan, issued Executive Directive 2006-6 requiring the state to promote and facilitate green chemistry. The business community is also taking notice and getting involved in this effort. Businesses such as Wal-Mart are taking voluntary measures to reduce the prevalence of hazardous substances in products they sell. Wal-Mart plans to reward all of their suppliers that voluntarily remove the following pesticide compounds from their products: propoxur, permethrin, nonylphenol ethoxylate.

Chemical disclosure and use policies are also being enacted by countries around the world, most notably in the European Union (EU) with the recent adoption of the REACH program and the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) requirements, which prohibit the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ether in new electronic products. The global ripple effect of EU RoHS is seen with California's adoption of similar RoHS requirements and also with the upcoming implementation of China RoHS (effective March 1, 2007) and Korea RoHS (effective July 1, 2007). While the China and Korea RoHS programs are not identical to EU RoHS, they have a common goal....identifying the use and impacts of hazardous substances and chemicals in products and manufacturing.

Please join us as we continue to explore this topic in future months. We plan to highlight a different element of this topic each month in the **P2 E-News**, so we invite you to send comments or topic suggestions to us at [P2@dtsc.ca.gov](mailto:P2@dtsc.ca.gov). Thank you for subscribing to

## **P2 E-News!!**

For more information on some of the actions discussed above, please refer to the following web links:

San Francisco Toxic Toy Ordinance:

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2007/01/09/BAG3ANF4761.DTL>.

California Assembly Bill 1681 on Lead-Containing Jewelry (Chapter 415, Statutes of 2006):

[http://info.sen.ca.gov/pub/05-06/bill/asm/ab\\_1651-1700/ab\\_1681\\_bill\\_20060922\\_chaptered.pdf](http://info.sen.ca.gov/pub/05-06/bill/asm/ab_1651-1700/ab_1681_bill_20060922_chaptered.pdf).

Michigan Executive Directive No. 2006-6 on Green Chemistry:

<http://www.michigan.gov/gov/0,1607,7-168-36898-153806--,00.html>.

Wal-Mart Chemicals Policy:

[www.treehugger.com/files/2006/11/walmart\\_pressur\\_1.php](http://www.treehugger.com/files/2006/11/walmart_pressur_1.php).

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### **DTSC Nanotechnology Symposium - Registration Now Open!**

March 8, 2007 - Thursday

9:00 am - 12:40 pm; check-in starts at 8:00 am

Cal/EPA Building, Byron Sher Auditorium

1001 I Street

Sacramento, California 95814

Sign-up now for this great introduction to nanotechnology! This event is free and open to the public. You don't need a background in science or physics to benefit from this informative symposium. Topics to be discussed include: What is nanotechnology? How is nanotechnology used in California? What are the potential health and environmental impacts of nanotechnology? and more!

You can register for the symposium electronically, via FAX, or by mail. Registration is required for on-site attendance, and closes February 23rd (or earlier if room capacity is reached). The symposium will also be webcast, for those unable to attend in person.

For the symposium agenda and brochure, and information on how to register, please visit the DTSC website at <http://www.dtsc.ca.gov/TechnologyDevelopment/Nanotechnology.cfm>, or call Sharon Kipp at (916) 324-2998.

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### **New! Addition of Portable DVD Players to List of Electronic Hazardous Waste**

Please note that effective January 1, 2007, portable DVD players with liquid crystal display (LCD) screens greater than four inches measured diagonally are now included in the list of electronic devices that are presumed to be hazardous wastes when discarded [California Code of Regulations, title 22, chapter 11, appendix X, subsection( c)]. This regulatory action comes as a result of DTSC's analysis of five portable DVD players (from five different manufacturers) that found that these devices contain levels of copper, lead, nickel and/or antimony exceeding state hazardous waste threshold concentrations.

This means that portable DVD players with LCD screens greater than four inches (measured diagonally) are considered "covered electronic devices" and are subject to the provisions of the

Electronic Waste Recycling Act of 2003, as amended. Consequently, all covered portable DVD players manufactured on or after July 1, 2007 will have to comply with the recently adopted Restriction of the Use of Certain Hazardous Substances (RoHS) regulations, and retailers will have to collect a recycling fee for any sale of these devices that occurs on or after July 1, 2007.

For more information on the new portable DVD player regulations, please visit the DTSC website at: [http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/DVD\\_Emergency.cfm](http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/DVD_Emergency.cfm).

For additional information on Electronic Hazardous Waste (E-Waste) in general or on the DTSC testing of portable DVD players, please go to: <http://www.dtsc.ca.gov/HazardousWaste/EWaste/index.cfm>, or call Andre Algazi at (916) 324-3114.

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**FREE Two-Day Hazardous Materials Training from U.S. Dept. of Transportation**

March 13 and 14, 2007  
Torrance Marriott Hotel  
Torrance, California

The U.S. Dept. of Transportation (DOT) invites all interested parties to attend a two-day Hazardous Materials (Hazmat) Multimodal Training Seminar on March 13 and 14th, 2007, at the Torrance Marriott Hotel in Southern California. The seminar is FREE, but attendance is limited to the first 450 enrollees. This is a great opportunity to improve your understanding of the requirements for safe and secure transportation of hazardous materials! The seminar will begin with a General Session that provides an overview of DOT's Hazardous Materials Program. The rest of the seminar will consist of Concurrent Breakout Sessions that are organized and scheduled into three different tracks: Hazmat Basics; Safety and Compliance; and Hazmat Essentials. You can follow a specific track or you can attend only those sessions that best meet your needs.

To enroll, submit your name, the name of your agency or company, company e-mail, street address, city, state, and zip code, phone and fax number to [seminars@dot.gov](mailto:seminars@dot.gov). An electronic confirmation will be provided upon receipt of registration. For more information, visit the DOT training website at <http://hazmat.dot.gov/training/training.htm>, or call Patricio Romero in the DOT Western Region office at (909) 937-7225.

For more information on the hotel and a room block held under US DOT, call the Torrance Marriott Hotel at (310) 316-3636, or visit the Marriott website at <http://marriott.com/property/propertypage/laxtr>.

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**More Free Training Opportunities from REBRAC**

**\*\*REGIONAL ENVIRONMENTAL BUSINESS RESOURCE ASSISTANCE CENTERS (REBRAC)\*\***

The following classes are being offered by the LA/Orange Counties REBRAC in conjunction with North Orange County Community College District, DTSC, and the local Certified Unified Program Agencies (CUPAs). For more information, or to register, please contact Perla Fickenscher at (714) 808-4620, or Taffy Kennedy at (714) 808-4613. The classes are both being held at 1830 W. Romneya Drive, Anaheim, California 92801.

PCB WASTE MANAGEMENT IN CALIFORNIA

This course will address the PCB waste and PCB-contaminated equipment that is subject to California and federal regulations. Course will include graphics and photos from regulatory PCB site visits and inspections, and photos of typical PCB wastestreams. Course instructor is Nabil Yacoub from DTSC's Cypress Office.

Cost: Free!!!

Date: Thursday, February 15, 2007

Time: 12:00 noon - 1:00 pm

#### MANAGING WASTE AEROSOL CANS AND WASTE FLUORESCENT LAMPS IN CALIFORNIA

Course topics include: when are aerosol cans and fluorescent lamps considered wastes; what is considered to be an empty aerosol can; management of non-empty aerosol cans; management of fluorescent lamps; and alternatives. Course instructor is Nabil Yacoub.

Cost: Free!!!

Date: Thursday, February 22, 2007

Time: 11:00 am - 1:00 pm

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#### **P2 HazWaste Corner**

Reader Question: There's an ad in a magazine offering a space heater that will burn my used oil. It says that it's EPA approved. Can Californians legally burn their used oil in a space heater or other type of furnace?

Response: In California, used oil from automobiles, trucks or other types of machinery cannot be burned in space heaters, or any other kind of furnace, stove or heater without prior authorization from DTSC. This is because the activity is considered treatment or disposal of a hazardous waste and is subject to applicable hazardous waste laws.

State law does not incorporate the federal requirements for the management of used oil via on-site burning in space heaters (see Title 40, Code of Federal Regulations, section 279.23, for federal requirements). While most used oil can and should be recycled, in California used oil that is burned in space heaters does not qualify for the hazardous waste recycling exclusion specified in Health and Safety Code section 25143.2(e)(7)(B) because the conditions of that exclusion do not allow the burning the used oil for energy recovery.

For more detail on the basis for this response, please call the DTSC Regulatory Assistance Officers at (800) 728-6942, or go <http://www.dtsc.ca.gov/HazardousWaste/CSERFS/index.cfm> and search on "space heaters".

For more information on Used Oil Management, please visit the DTSC website at [http://www.dtsc.ca.gov/HazardousWaste/upload/OAD\\_Used-Oil\\_FS1.pdf](http://www.dtsc.ca.gov/HazardousWaste/upload/OAD_Used-Oil_FS1.pdf).

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